

REMARKS

Claims 1-19 are pending in this application. Claims 1-19 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over U.S. Patent No. 6,453,321 (“Hill”) in view of U.S. Patent No. 6,163,774 (“Lore”). Applicants respectfully traverse.

Drawings

Fig. 1 is hereby corrected to provide various reference signs and delete reference characters that were used multiple times.

Rejections Under 35 U.S.C. § 103(a)

Claims 1-19 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over U.S. Patent No. 6,453,321 (“Hill”) in view of U.S. Patent No. 6,163,774 (“Lore”). Applicants respectfully traverse.

The claimed invention is directed to processing a request to calculate a measure expression. First, a request to calculate a measure expression is received. *After the request is received*, a data store is queried to retrieve a first data set including *only* data for a first measure over a selected range of attributes. The first data set is then stored in a first cache. Similarly, *after the request is received*, the data store is queried to retrieve a second data set including *only* data for a second measure over a selected range of attributes. The second data set is then stored in a second cache. The first and the second cache are then used to calculate the measure expression. Because the first and second data sets are not retrieved from the data store until after the measure expression request is received, the claimed invention does not employ “read-ahead” caching. Rather, *only* the data that is required to calculate the measure expression is retrieved from the data store.

Hill is directed to “a technique used for creating a structured cache to store data retrieved *using read-ahead operations*.” (Hill, Summary of the Invention, Col. 3, ll. 54-56) (emphasis added). In other words, the caching operations of Hill are not performed in response to any particular request. Rather, Hill employs read-ahead caching, in which (1) a prediction is made as to which data an application will need at some future time; and (2) the

predicted data is then retrieved in advance from a database and cached (Hill, Col. 1, ll. 16-19).

As noted in the Office Action, “Lore does not disclose the use of a cache.” (Office Action, pg. 5). Thus, the cited references do not teach or suggest (1) querying a data store *in response to a request*; and (2) querying the data store to retrieve *only* data for a first or second measure over a selected range of attributes. Accordingly, the cited references do not teach or suggest at least the following from independent claims 1, 8 and 14:

“responsive to receiving the request, querying a data store to retrieve a first data set corresponding to the first data type, the first data set including only data for the first measure over the selected range of attributes; . . .

responsive to receiving the request, querying a data store to retrieve a second data set corresponding to the second data type, the second data set including only data for the second measure over the selected range of attributes,”

Accordingly, Applicants respectfully submit that independent claims 1, 8 and 14 are patentable over the cited references. Applicants further submit that dependent claims 2-5, 9-13 and 15-18 are patentable at least by reason of their dependency. Accordingly, reconsideration and withdrawal of the 35 U.S.C. § 103(a) rejections are respectfully requested.


DOCKET NO.: 302204.1 / MSFT-1736
Application No.: 10/607,087
Office Action Dated: December 13, 2005

PATENT

CONCLUSION

In view of the above amendments and remarks, Applicants respectfully submit that the present application is in condition for allowance. Reconsideration of the application is respectfully requested. Applicants respectfully submit that no new matter has been added by the above amendment.

Date: March 13, 2006



Kenneth R. Eiferman
Registration No. 51,647

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

DOCKET NO.: 302204.1 / MSFT-1736
Application No.: 10/607,087
Office Action Dated: December 13, 2005

PATENT

Amendments to the Drawings

The attached sheet(s) of drawings includes changes to Fig(s) 1. The sheet(s), which includes Fig(s) 1, replaces the original sheet(s) including Fig(s) 1.

Attachment: Replacement Sheet(s)